

This Page Is Inserted by IFW Operations
and is not a part of the Official Record

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

IMAGES ARE BEST AVAILABLE COPY.

**As rescanning documents *will not* correct images,
please do not report the images to the
Image Problem Mailbox.**

Fig. 1

Schematic view of equipment; not to scale

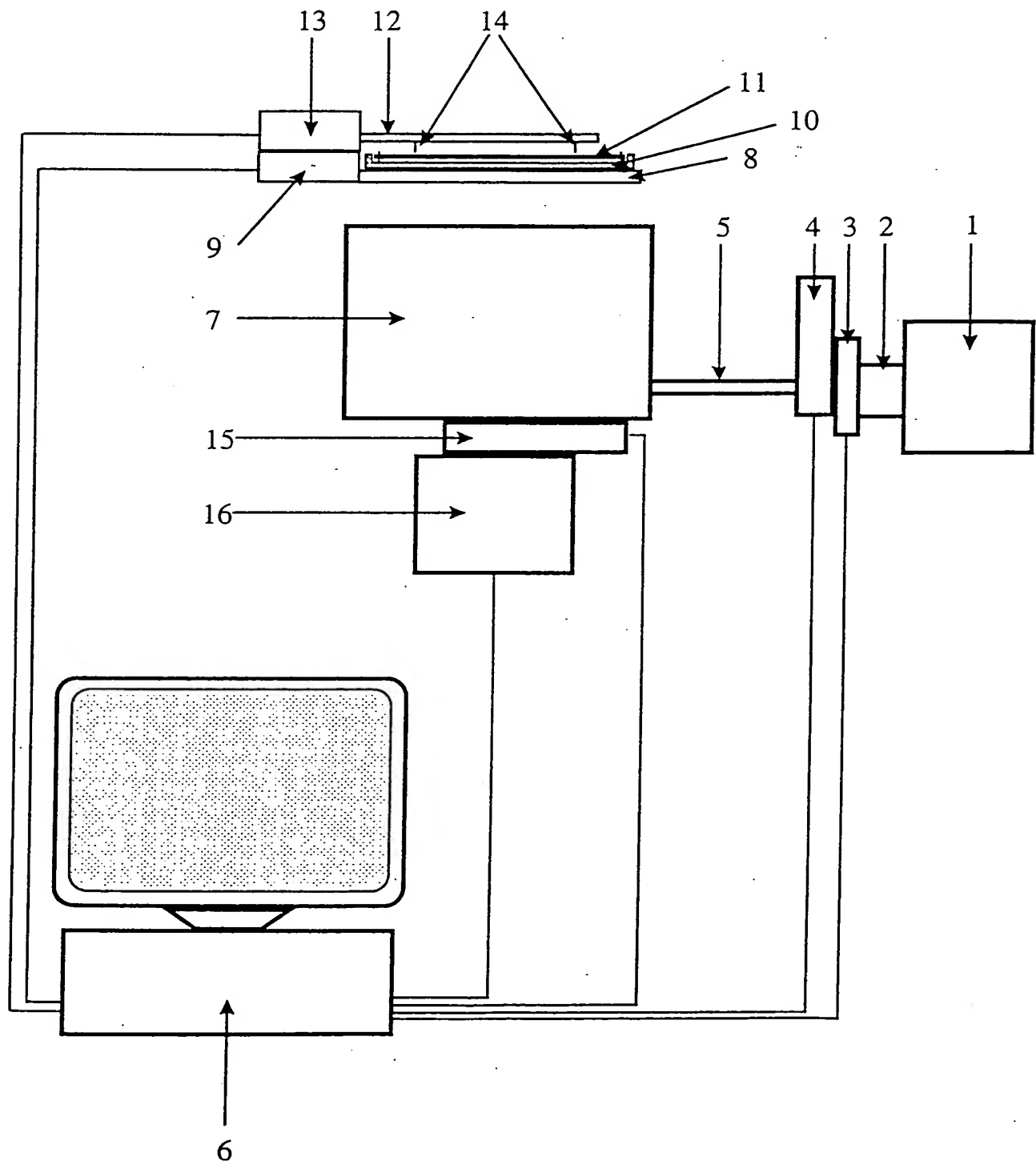
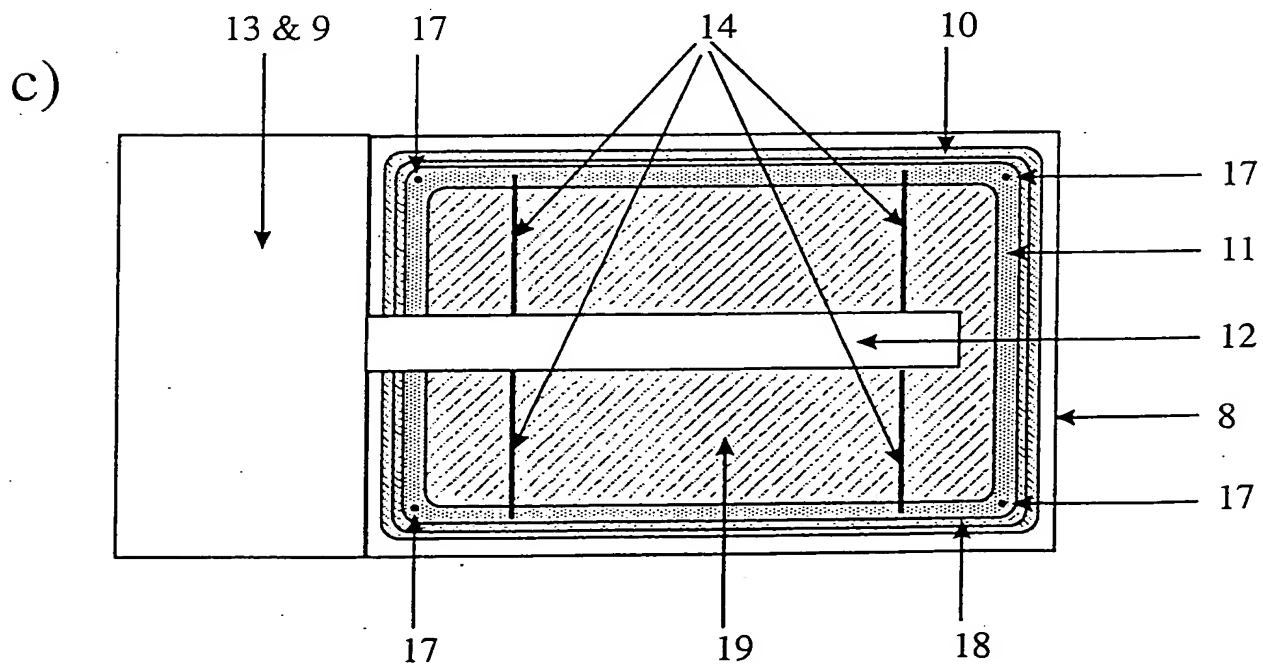
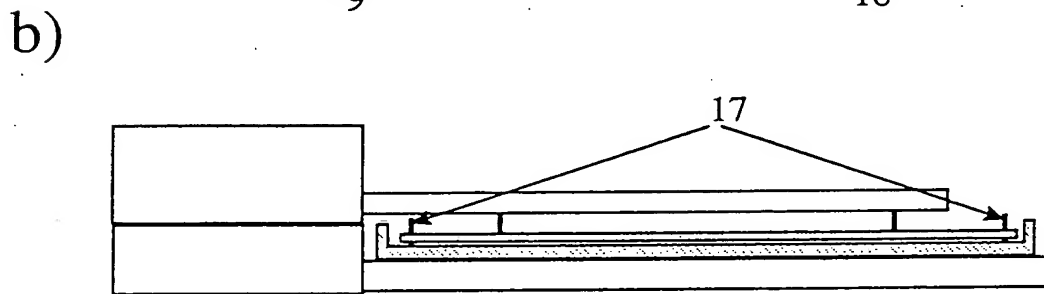
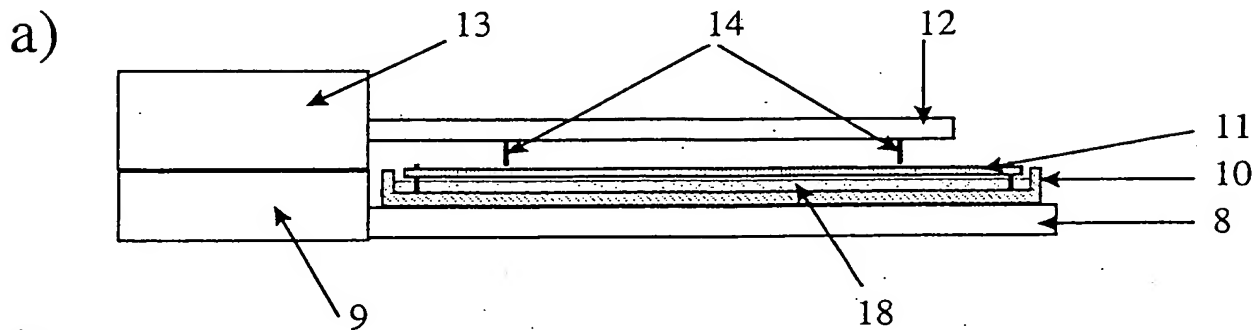


Fig. 2

Side views of test stage; not to scale



Top view of test stage; not to scale

**3-D sectional representations of portions of
the test-array/detector layers: not to scale**

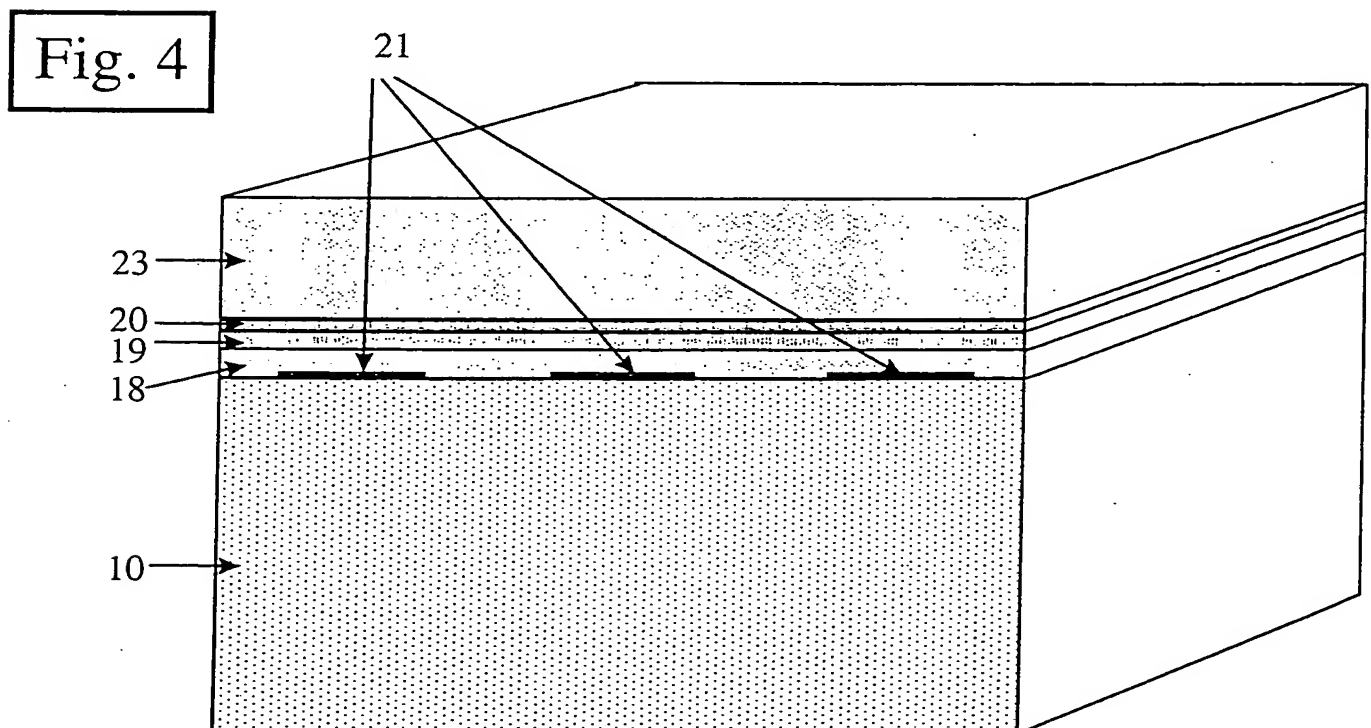
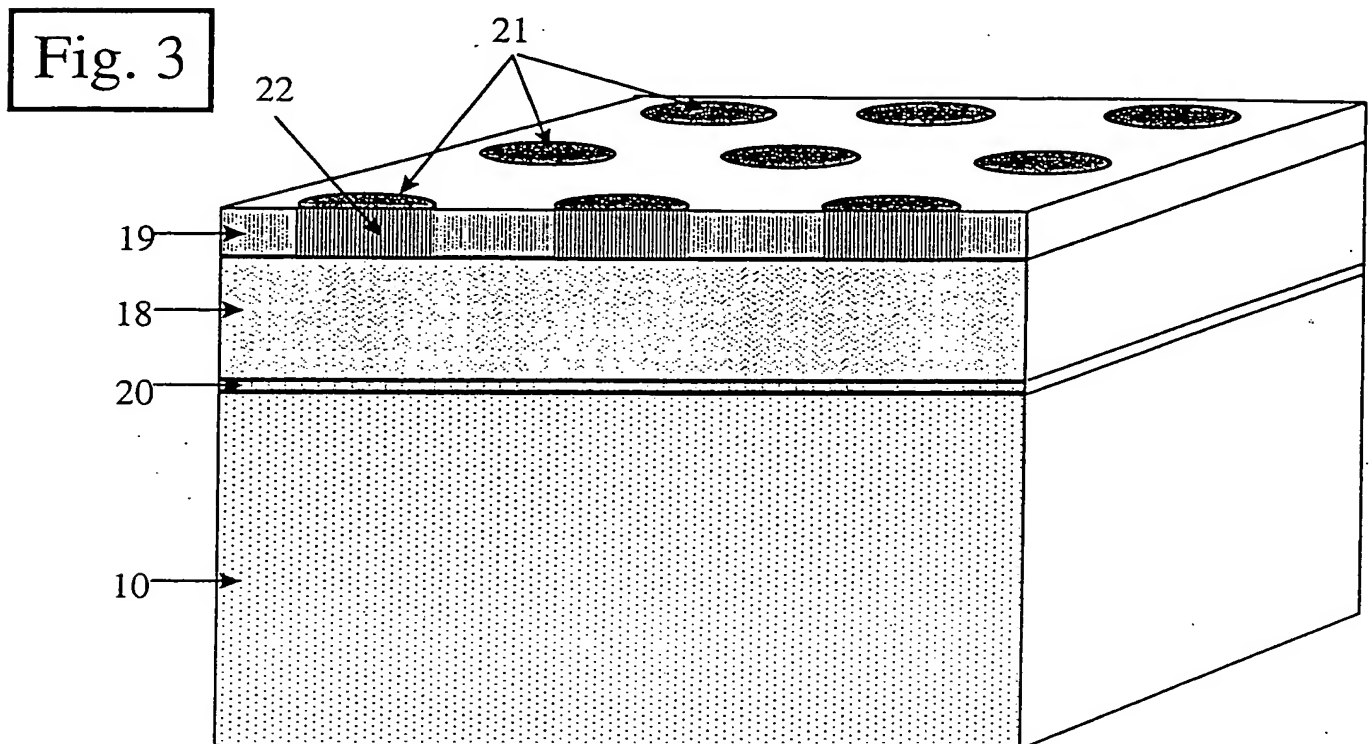
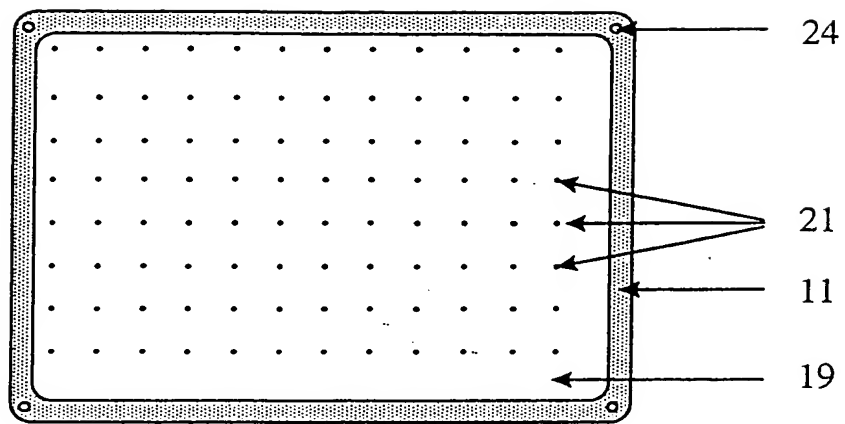
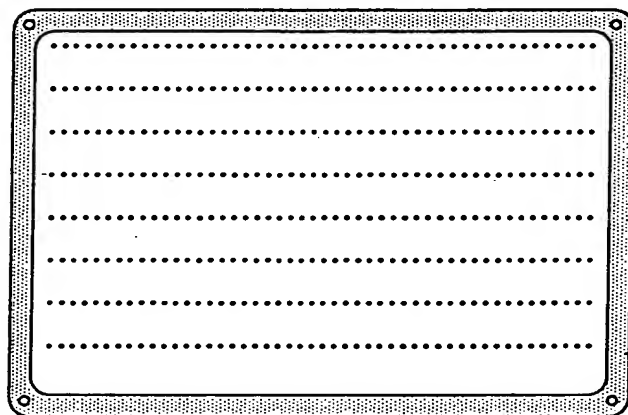


Fig. 5

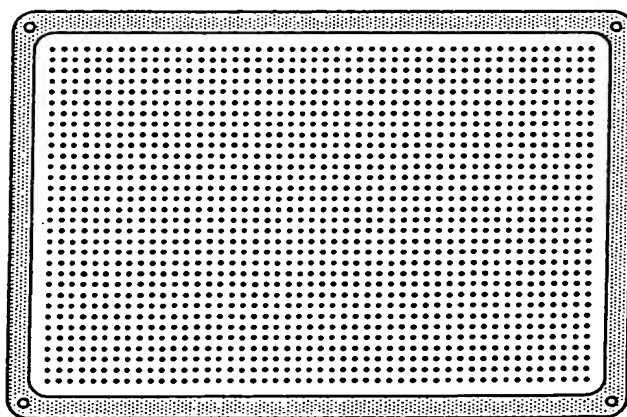
a)



b)



c)



Carbamylcholine Response (1 mM, five spots)

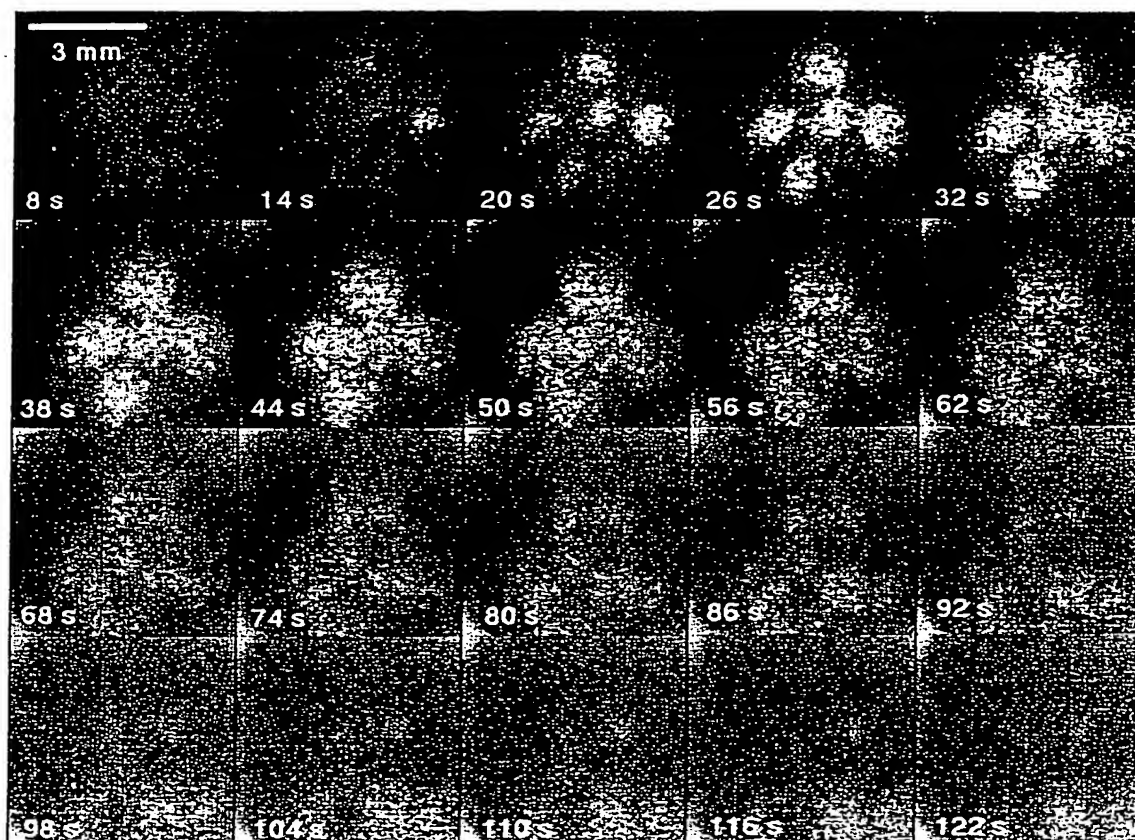


Figure 6

Carbamylcholine Response (1 mM, five spots)

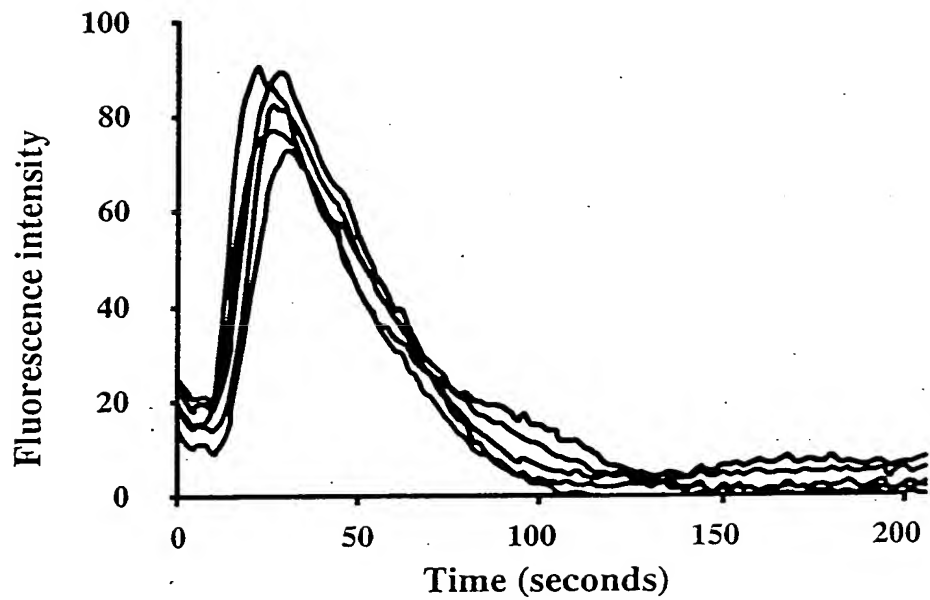


Figure 7

FCCP Response
(50 μ M, 5 x 5 grid of spots)

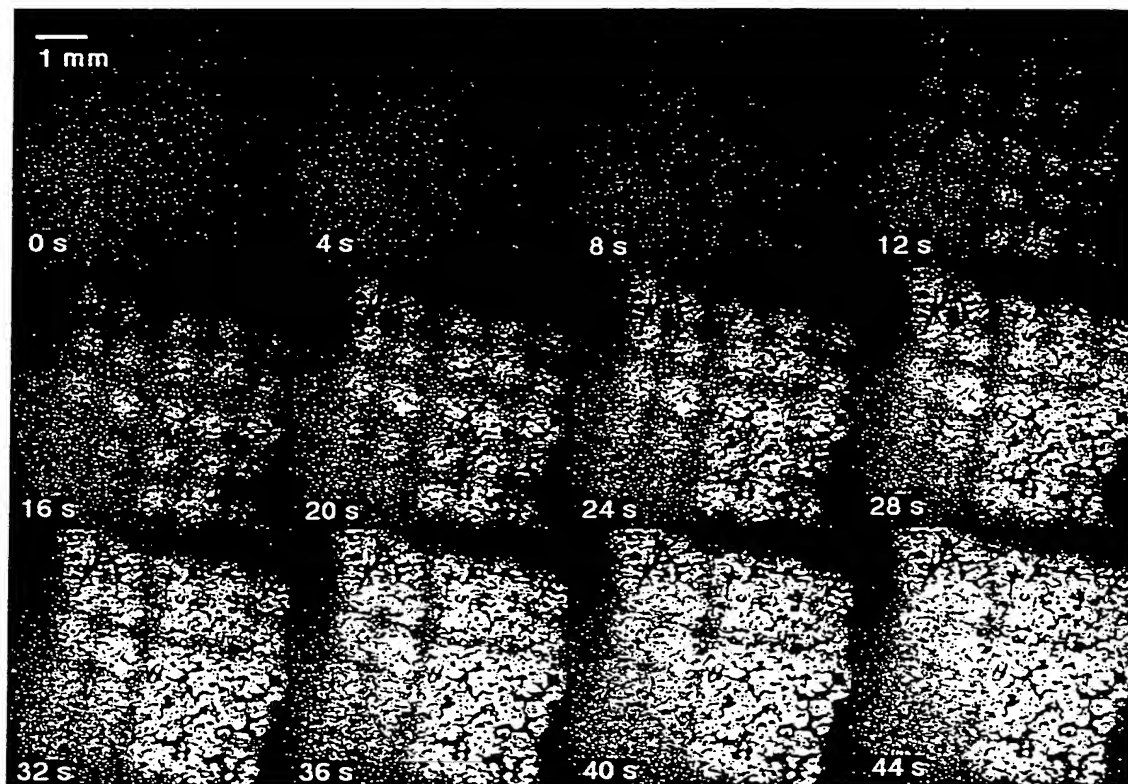


Figure 8

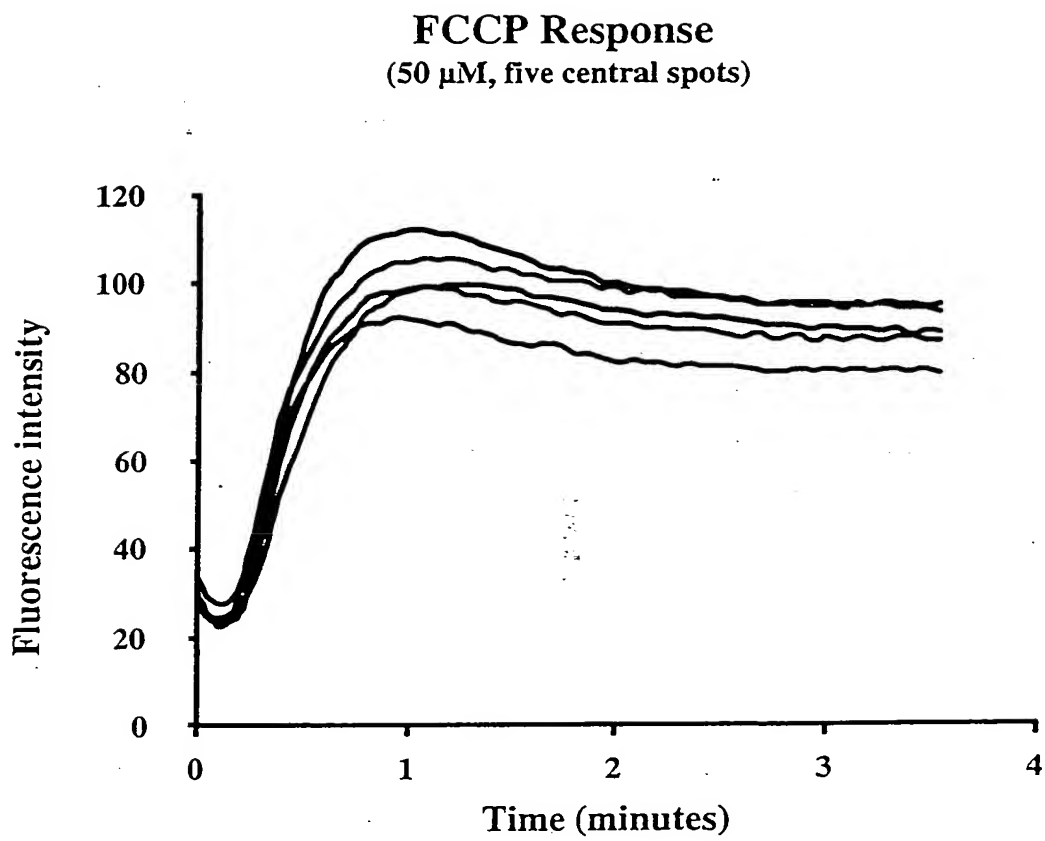


Figure 9

FCCP Dose-response
(50, 5, 0.5, 0.05 and 0.005 μ M, 5 x 5 grid)

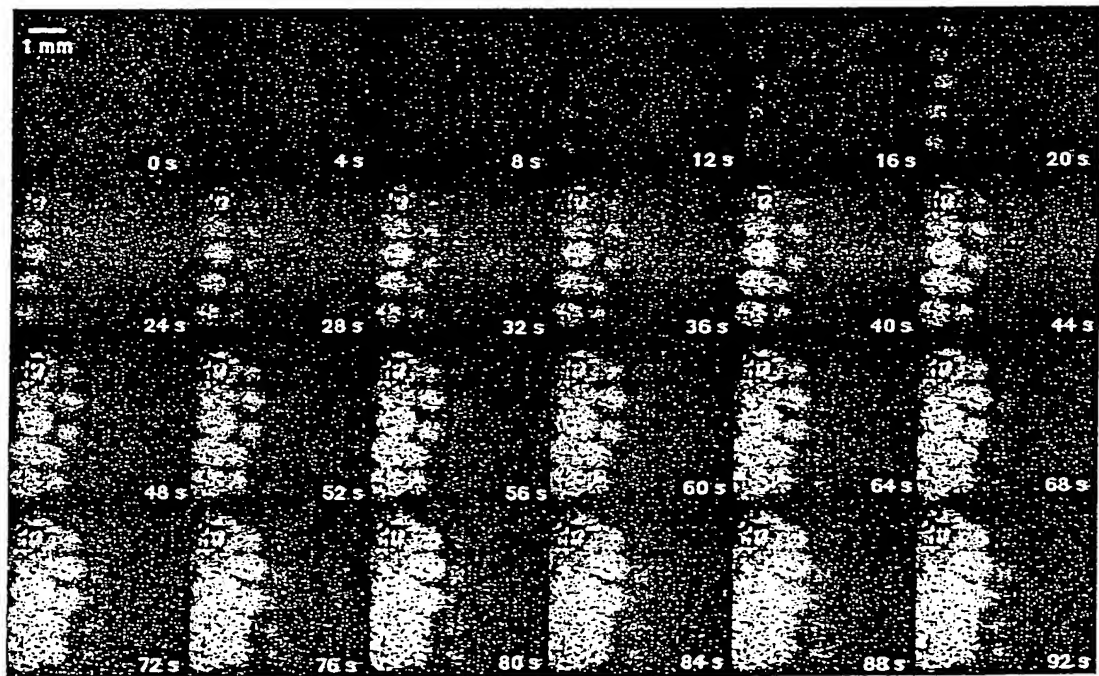


Figure 10

FCCP Dose-response
(50, 5, 0.5, 0.05 and 0.005 μM)

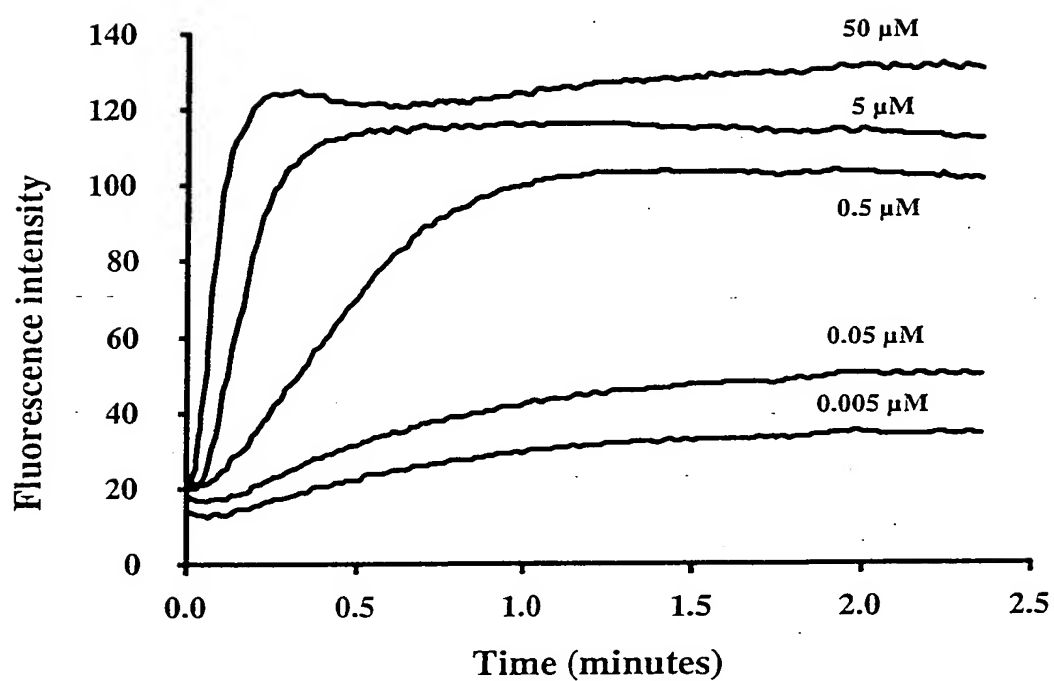


Figure 11

Ionomycin and Thapsigargin responses

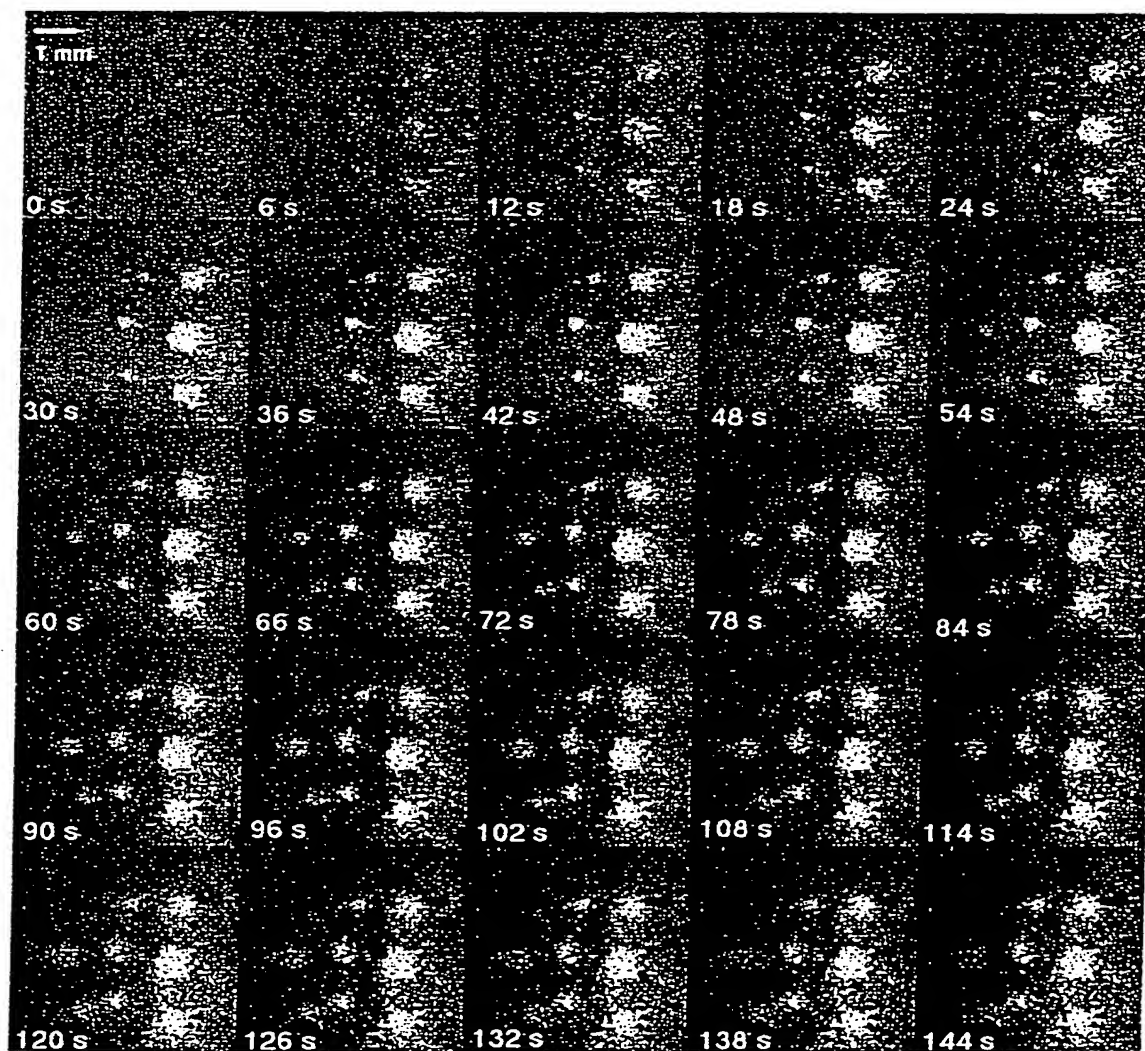


Figure 12

Ionomycin and Thapsigargin responses (mean of two to three responses)

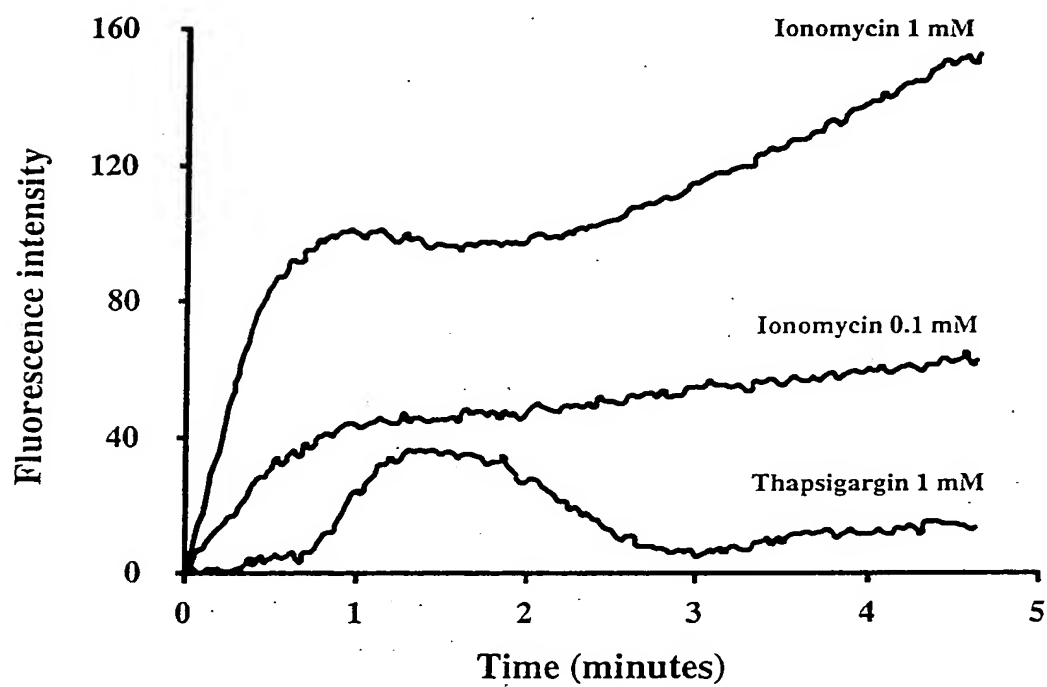


Figure 13